

RECEIVED

JUN 25 2001

TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/777,921

DATE: 06/01/2001
TIME: 12:54:47

ENTERED

Input Set : A:\Seqlist.txt
Output Set: C:\CRF3\06012001\I777921.raw

O I P E
JUN 25 2001
PATENT & TRADEMARK OFFICE 346

4 <110> APPLICANT: MERKULOV et al
6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
7 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
8 AND USES THEREOF
10 <130> FILE REFERENCE: CL001103
12 <140> CURRENT APPLICATION NUMBER: 09/777,921
C--> 13 <141> CURRENT FILING DATE: 2001-07-02
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17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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20 <211> LENGTH: 2673
21 <212> TYPE: DNA
22 <213> ORGANISM: Human
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Input Set : A:\Seqlist.txt

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73 <212> TYPE: PRT

74 <213> ORGANISM: Human

76 <400> SEQUENCE: 2

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82 35 40 45
83 Arg Asn Leu Gly Ile Pro Leu Gly Gln Asp Ala Glu Glu Lys Ile Phe
84 50 55 60
85 Thr Thr Gly Asp Val Asn Lys Asp Gly Lys Leu Asp Phe Glu Glu Phe
86 65 70 75 80
87 Met Lys Tyr Leu Lys Asp His Glu Lys Lys Met Lys Leu Ala Phe Lys
88 85 90 95
89 Ser Leu Asp Lys Asn Asn Asp Gly Lys Ile Glu Ala Ser Glu Ile Val
90 100 105 110
91 Gln Ser Leu Gln Thr Leu Gly Leu Thr Ile Ser Glu Gln Gln Ala Glu
92 115 120 125
93 Leu Ile Leu Gln Ser Ile Asp Val Asp Gly Thr Met Thr Val Asp Trp
94 130 135 140
95 Asn Glu Trp Arg Asp Tyr Phe Leu Phe Asn Pro Val Thr Asp Ile Glu
96 145 150 155 160
97 Glu Ile Ile Arg Phe Trp Lys His Ser Thr Gly Ile Asp Ile Gly Asp
98 165 170 175
99 Ser Leu Thr Ile Pro Asp Glu Phe Thr Glu Asp Glu Lys Lys Ser Gly
100 180 185 190
101 Gln Trp Trp Arg Gln Leu Leu Ala Gly Gly Ile Ala Gly Ala Val Ser
102 195 200 205
103 Arg Thr Ser Thr Ala Pro Leu Asp Arg Leu Lys Ile Met Met Gln Val
104 210 215 220
105 His Gly Ser Lys Ser Asp Lys Met Asn Ile Phe Gly Gly Phe Arg Gln
106 225 230 235 240
107 Met Val Lys Glu Gly Gly Ile Arg Ser Leu Trp Arg Gly Asn Gly Thr
108 245 250 255

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112          275          280          285
113 Phe Glu Arg Phe Ile Ser Gly Ser Met Ala Gly Ala Thr Ala Gln Thr
114          290          295          300
115 Phe Ile Tyr Pro Met Glu Val Met Lys Thr Arg Leu Ala Val Gly Lys
116 305          310          315          320
117 Thr Gly Gln Tyr Ser Gly Ile Tyr Asp Cys Ala Lys Lys Ile Leu Lys
118          325          330          335
119 His Glu Gly Leu Gly Ala Phe Tyr Lys Gly Tyr Val Pro Asn Leu Leu
120          340          345          350
121 Gly Ile Ile Pro Tyr Ala Gly Ile Asp Leu Ala Val Tyr Glu Leu Leu
122          355          360          365
123 Lys Ser Tyr Trp Leu Asp Asn Phe Ala Lys Asp Ser Val Asn Pro Gly
124          370          375          380
125 Val Met Val Leu Leu Gly Cys Gly Ala Leu Ser Ser Thr Cys Gly Gln
126 385          390          395          400
127 Leu Ala Ser Tyr Pro Leu Ala Leu Val Arg Thr Arg Met Gln Ala Gln
128          405          410          415
129 Ala Met Leu Glu Gly Ser Pro Gln Leu Asn Met Val Gly Leu Phe Arg
130          420          425          430
131 Arg Ile Ile Ser Lys Glu Gly Ile Pro Gly Leu Tyr Arg Gly Ile Thr
132          435          440          445
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147 <223> OTHER INFORMATION: n = A,T,C or G
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164 tcatacatat cttaaacata caaaatgata tgaggagagg taagttcagg gtctgagttc 900
165 ctggctgttg ttggaactga tttctgtgta gtgattcaga agatgtgaga caccctaatt 960
166 tacaagtaca gaggtatctt cttttctgca aacagcagta caacaatagt tcctcttacg 1020
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VERIFICATION SUMMARY

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Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06012001\I777921.raw

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L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:1016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:1017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3